SNAP

Data Manager

Data Compression Algorithms
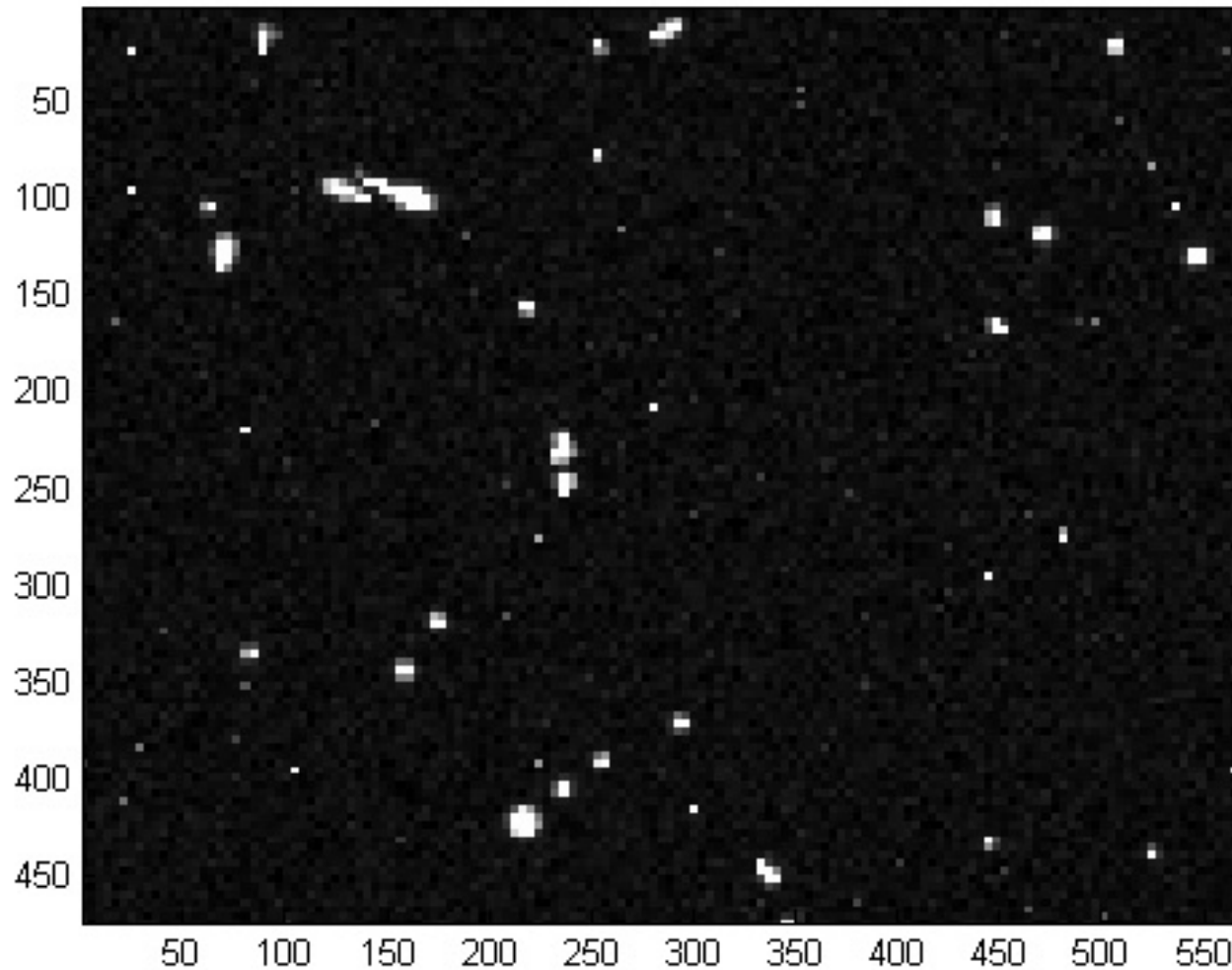### Progress Status

Rice Machine Status
CCSDS 120.0 Baseline

✓ Import test images to simulation environment.

- Design and test:
  - ✓ Preprocessor.
  - ✓ Coefficient Mapping.
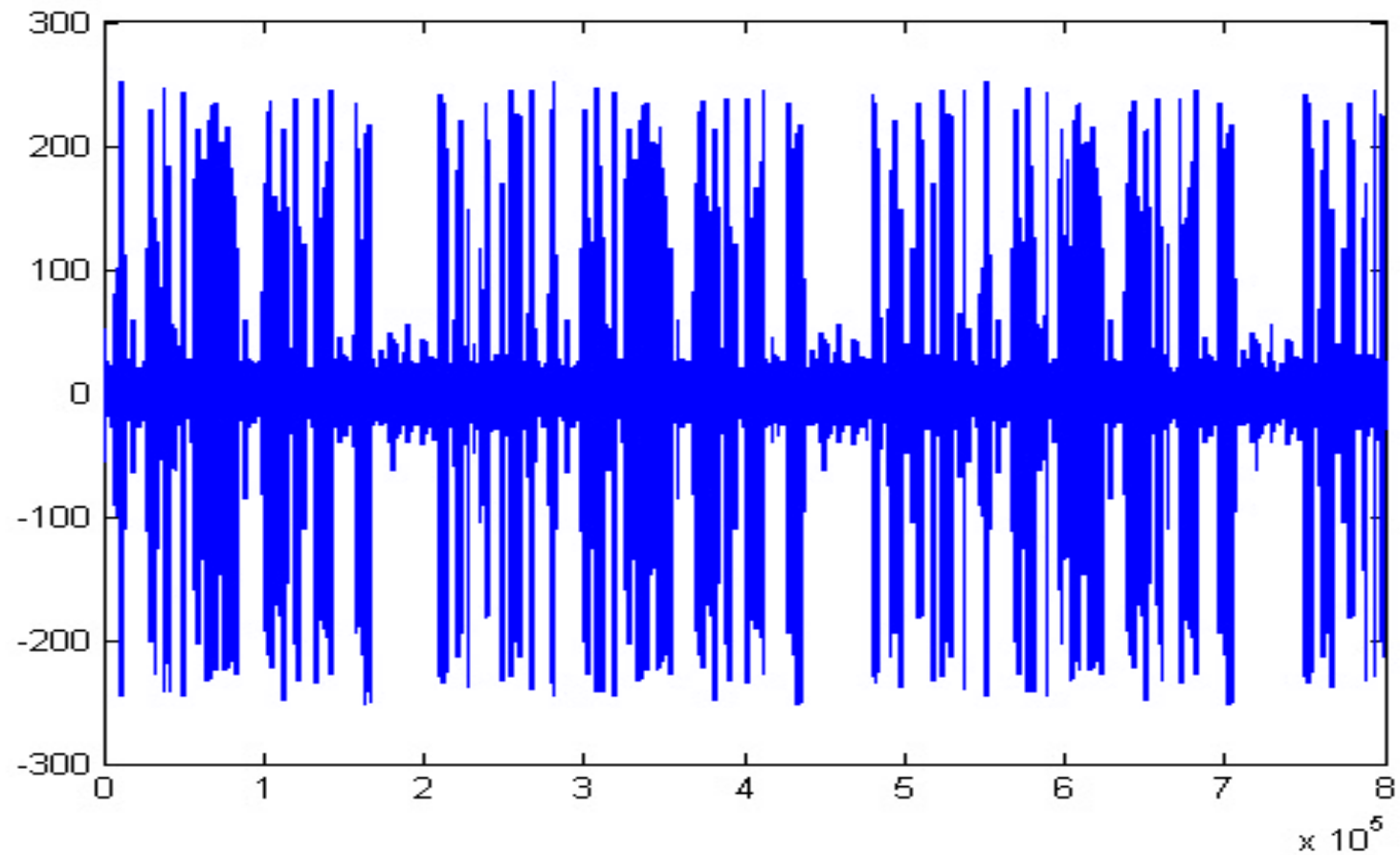 - • Binary Encoding.
- Translation to C++.

Preprocessor & Mapper Performance
Quiet Region of Image

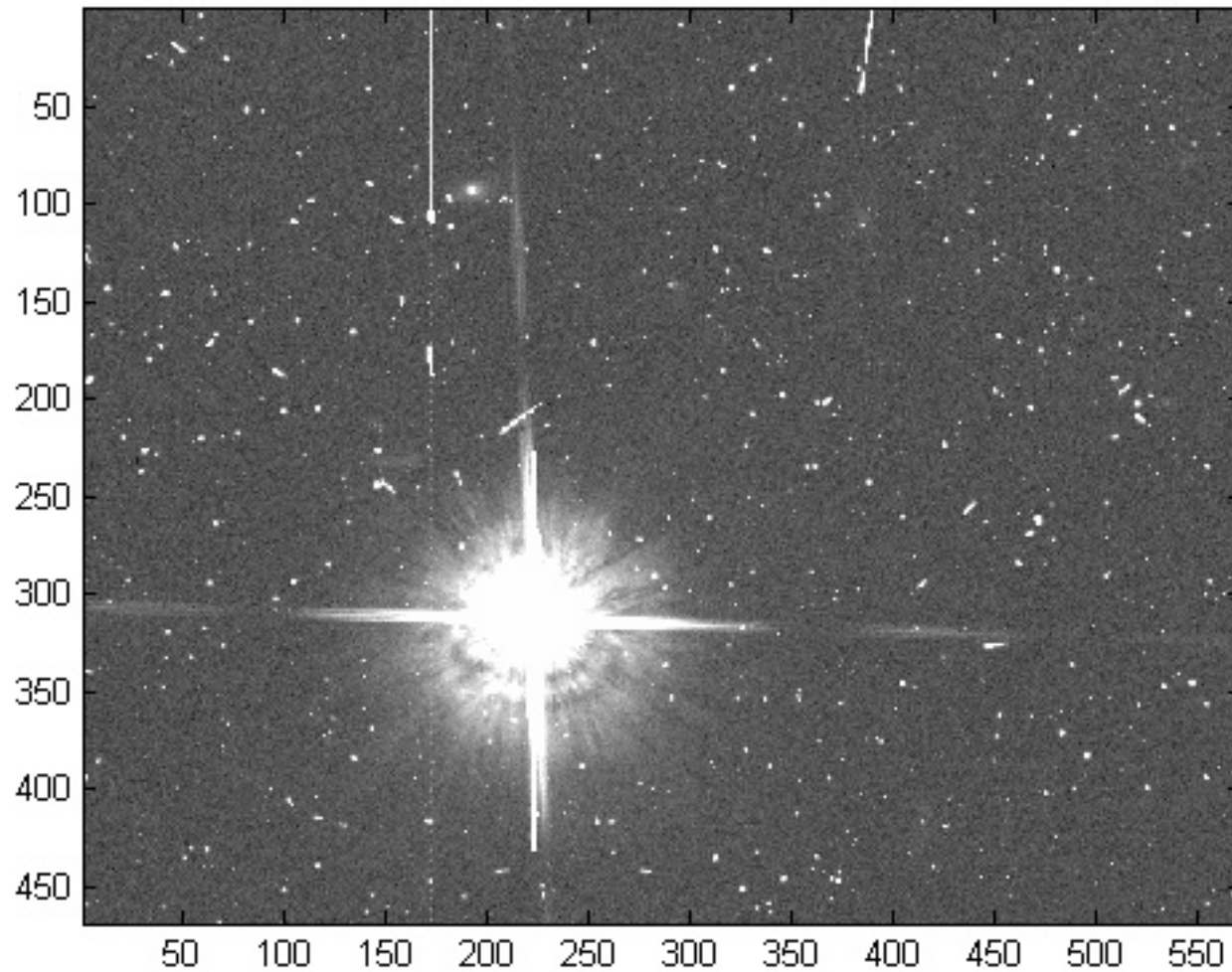j8dnb0asq_raw_4.fits, from Huan Lin
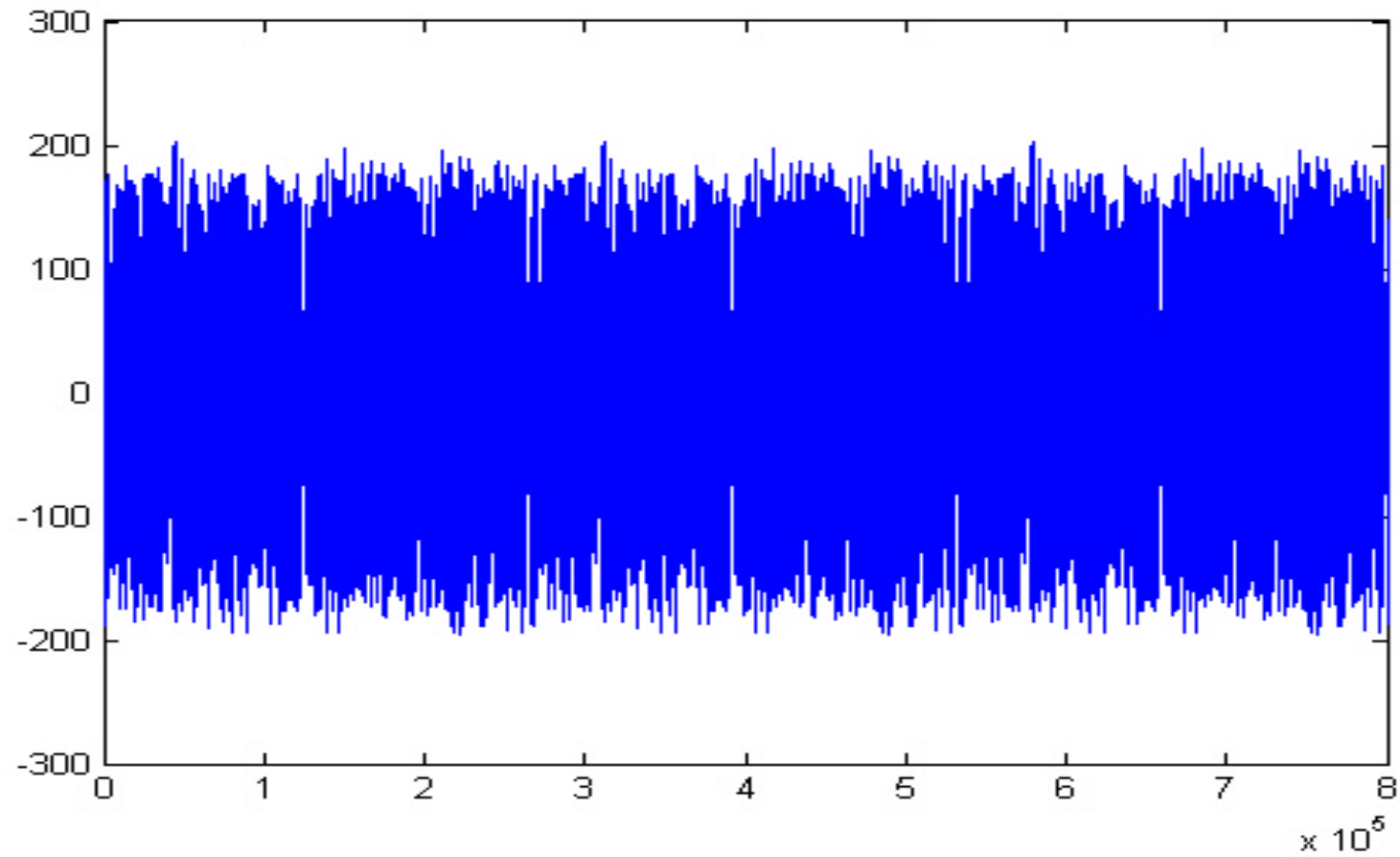
Quiet Region of Image

Busy Region of Image

j8dnb0asq_raw_4.fits, from Huan Lin

Busy Region of Image

Next Steps…

- Sqrt(N) + CCSDS 120.0.
- LOCO.
- Other variations…
- Start procuring ASICs for evaluation.